

In the Claims:

1.(Original) A biopsy device comprising:

- a hollow biopsy needle having a lateral tissue receiving port;**
- a hollow cutter advancable within the biopsy needle;**
- a first mechanism for advancing the cutter to a position proximal of the lateral tissue receiving port; and**
- a second mechanism for advancing the cutter distal of said position proximal of the lateral tissue receiving port.**

2. (original) The biopsy device of claim 1 wherein the first mechanism employs a pressure differential for advancing the cutter.

3. (original) The biopsy device of Claim 1 wherein the first mechanism employs pneumatics.

4. (original) The biopsy device of Claim 1 wherein said second mechanism rotates and advances said cutter.

5. (original) The biopsy device of Claim 1 wherein the first mechanism advances the cutter at first rate, and wherein the second mechanism advances the cutter at a second rate.

6. (original) The biopsy device of Claim 5 wherein the first rate is different from the second rate.

7. (original) The biopsy device of Claim 5 wherein the first rate is greater than the second rate.

Claims 8-27 (withdrawn)

28. (New). The biopsy device of Claim 1 wherein at least one of the first and second mechanisms comprises a piston.

29. (New) The biopsy device of Claim 28 wherein the piston is non-rotating.

30. (New) The biopsy device of Claim 1 wherein the first mechanism advances the cutter without rotation of the cutter, and wherein the second mechanism advances and rotates the cutter.
31. (New) The biopsy device of Claim 1 wherein the second mechanism advances the cutter from a position proximal of the tissue receiving port to a position distal of the tissue receiving port.
32. (New) A biopsy device comprising:
- a hollow biopsy needle having a lateral tissue receiving port;
 - a hollow cutter advancable within the biopsy needle, the hollow cutter having an open distal end;
 - a first mechanism for advancing the distal end of the cutter to a position proximal of the lateral tissue receiving port; and
 - a second mechanism for advancing the distal end of the cutter to a position distal of the lateral tissue receiving port.